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State of Utah
DEPARTMENT OF NATURAL RESOURCES
Division of Oil, Gas & Mining

ROBERT L. MORGAN
Executive Director

LOWELL P. BRAXTON
Division Director

Supervisor DRT

Inspection Report
Minerals Regulatory Program
Report Date: September 10, 2004

Mine Name: ECDC Clay Mine
Operator or Permittee Name:
ECDC Environmental
Permittee Mailing Address:
1111 West Hwy. 123, P. O. Box 69, East Carbon, Utah 84520

Permit number: M/015/062
Inspection Date: June 30, 2004

Inspector(s): Paul Baker

Other Participants: None

Weather: Mostly clear, 80's
Inspection Start Time: Abt. 12:15 PM
Inspection End Time: Abt. 1:45 PM
Site location/Area Inspected (i.e. Pit #):
Entire site

Permit Status: Inactive
Current Acreages:
Total Permitted (Bonded): 25
Total Disturbed: Not measured

Surface Ownership: Fee
Mineral Ownership: Fee
Mineral Mined: Clay
Type of Mine: Surface

Elements of Inspection	Evaluated	N/A	Comment	Enforcement
1. Permits, Revisions, Transfer, Bonds	☐	☐	☐	☐
2. Public Safety (open shafts, adits, trash, signs, highwalls)	☒	☐	☐	☐
3. Protection of Drainages	☒	☐	☒	☐
4. Explosives, magazines	☐	☐	☐	☐
5. Deleterious Material	☐	☐	☐	☐
6. Roads (maintenance, surfacing, dust control, safety)	☐	☐	☐	☐
7. Concurrent Reclamation	☐	☐	☐	☐
8. Erosion Control	☒	☐	☐	☐
9. Demolition	☐	☐	☐	☐
10. Backfilling and Grading (trenches, pits, roads, highwalls, shafts, drill holes)	☐	☐	☐	☐
11. Water Impoundments	☐	☐	☐	☐
12. Soils	☒	☐	☒	☐
13. Revegetation	☐	☐	☐	☐
14. Air Quality	☐	☐	☐	☐
15. Other	☐	☐	☐	☐

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7223 • *www.ogm.utah.gov*

Purpose of Inspection:
This was a routine inspection with no specific purpose other than to check the site.

Inspection Summary:
3. Protection of Drainages
This site is immediately adjacent to the Price River, and there is a drainage that receives runoff from a fairly large upstream area. There is a culvert where this drainage crosses the entrance road, and the culvert inlet needs to be cleaned out.

In 2001, I asked the operator to install sediment control along a section of an overburden pile, and a row of straw bales was placed along the base of this pile. These bales have deteriorated and probably control little sediment (Photo 3). Although I considered asking the operator to maintain these straw bales, the overburden pile and adjacent riparian area look almost identical to a nearby undisturbed area (Photo 4). Therefore, I do not feel there is a need to maintain the straw bales, but the Division and the operator should monitor this area for accelerated erosion and sediment additions to the river.

There is a berm separating much of the site from the Price River, but at the bottom of the hill from the entrance gate, there is an area where the berm has been breached (Photos 1 and 2). This needs to be repaired, and the operator may want to consider an alternative other than just building up the berm. It might be good to install a notched, wire-reinforced silt fence to allow some discharge while still controlling sediment.

12. Soils
The soil pile is shown in Photo 5. The operator needs to ensure that this material is not used for anything other than reclamation, and I suggest putting a sign on the pile advising people that it is topsoil. I also suggest that the operator try to establish vegetation on this pile. The next time equipment is brought to the mine, the pile could be worked so it is very rough without the near-vertical slopes. It could then be seeded.

GPS data:
I did not take GPS data.

Inspector's Signature _____ **Date:** Sept. 10, 2004

PBB:jb
cc: Darin Olson, ECDC
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ATTACHMENT
Photographs
M/015/062, ECDC Clay Mine, ECDC Environmental
Inspection Dated: June 30, 2004; Report Dated: September 10, 2004

Photo 1. A breach in the berm near the bottom of the hill by the entrance gate.

Photo 2. This is where water flows into the Price River after going through the breach shown in Photo 1.

Photo 3. The remains of straw bales along the overburden/spoil pile.

Photo 4. A nearby undisturbed area with a nearly-barren slope ending at the riparian area next to the river.

Photo 5. The topsoil stockpile.

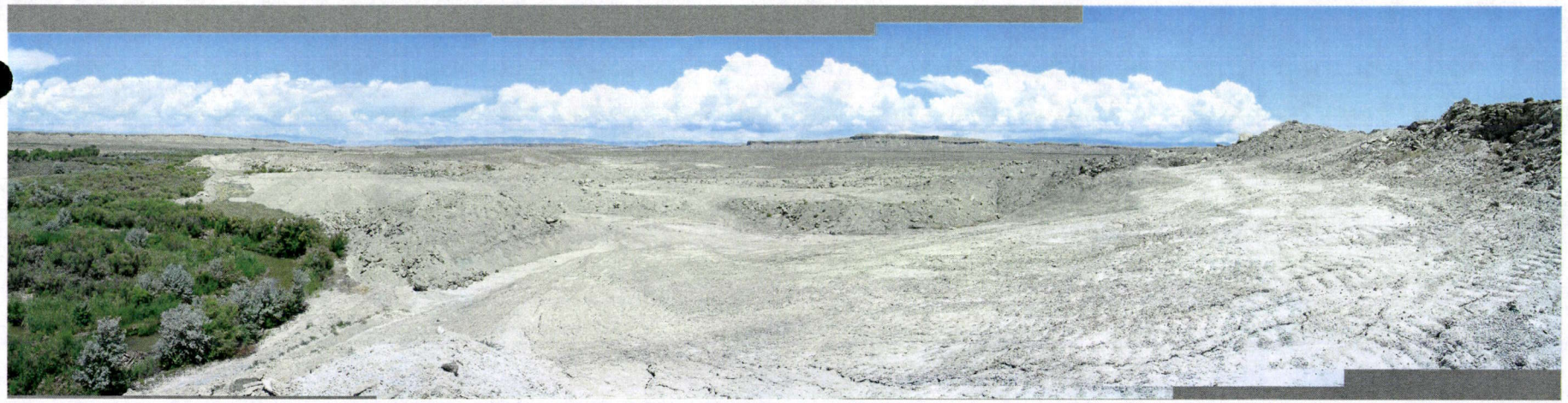

Photo 6. A panorama taken from the southeast part of the site. The straw bales in Photo 3 are in the left center of this photo.